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F24J 3/02

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F4U 60

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US A 4271825

(58) Field of search by ISA  
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US CL 126: 270, 271, 450  
including SE, NO, DK, FI classes as above

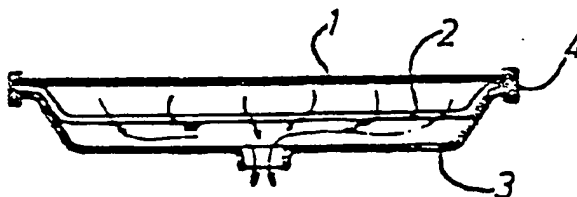
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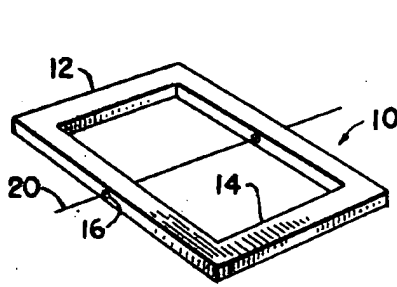
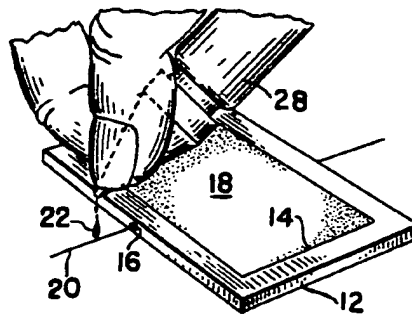
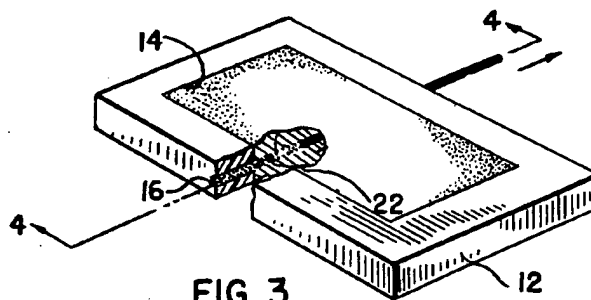
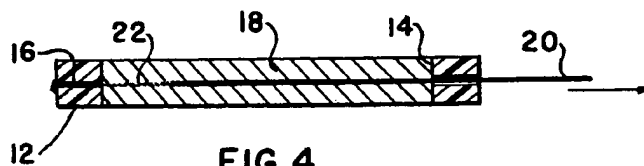
(72) Inventor  
Carl Robert Sundquist

## (54) Solar collector

(57) In a solar collector, an absorber element (2) is enclosed between a supporting panel (3) and a transparent cover (1). The supporting panel is compression moulded of a fiber material with a thermosetting binding agent to a generally trough-like shape having a bottom portion and side walls made integral therewith. According to the invention, the degree of compression of the supporting panel (3) varies such that it is less compressed and has a greater thickness at portions in which the requirement of thermal insulation is high, and more compressed at portions in which the requirement of strength is high.



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FIG. 1FIG. 2FIG. 3FIG. 4

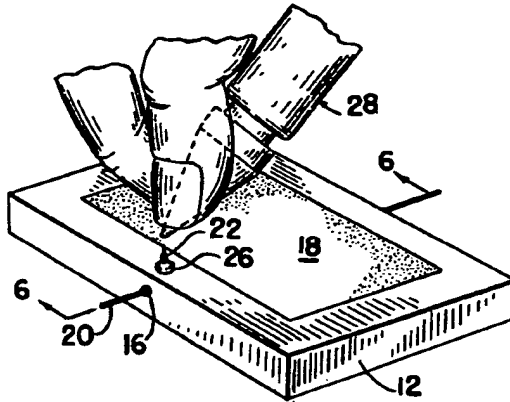


FIG. 5

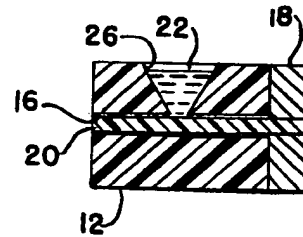


FIG. 6

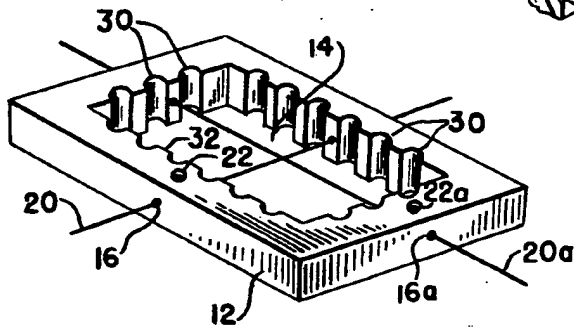


FIG. 7

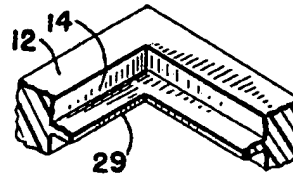


FIG. 8

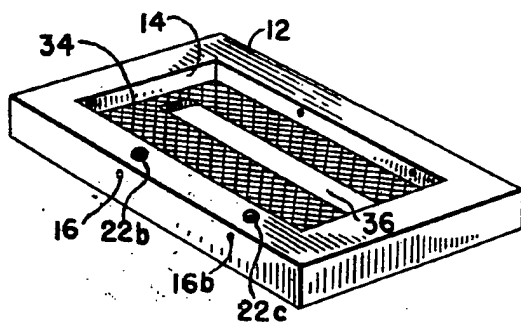


FIG. 9

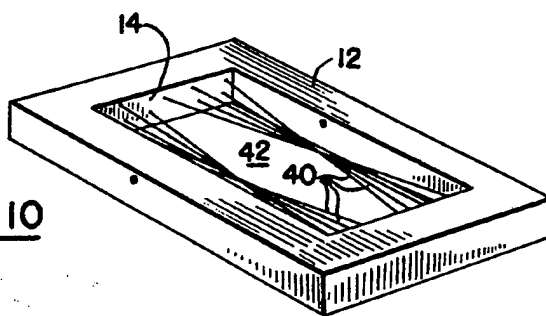


FIG. 10

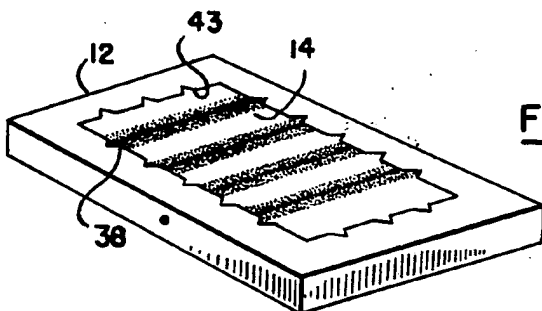


FIG. 11

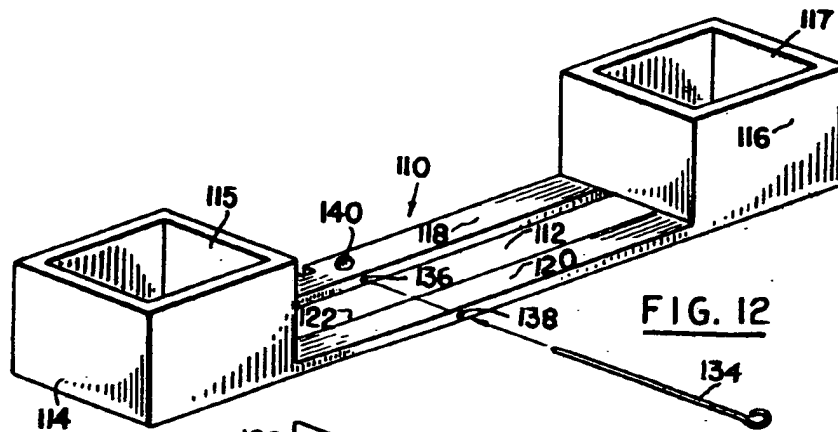


FIG. 12

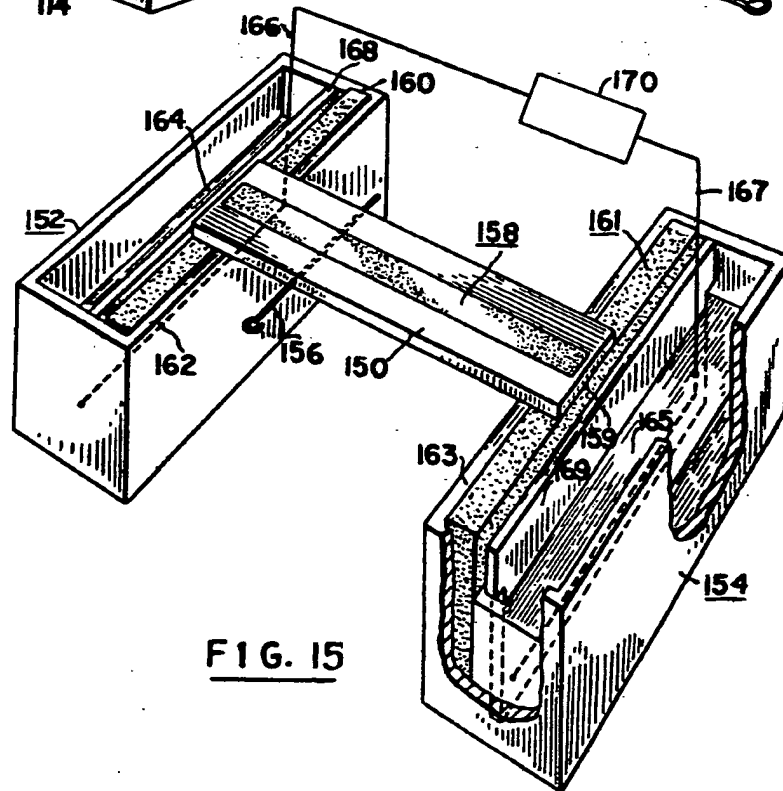
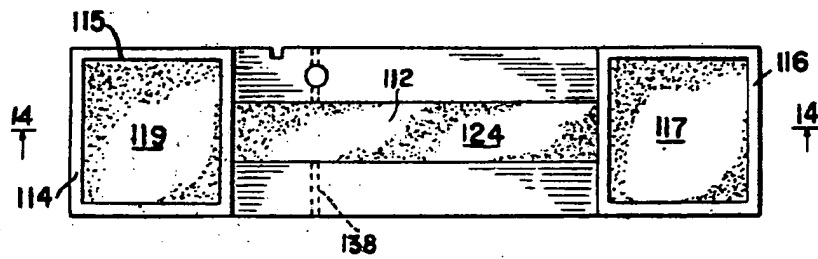
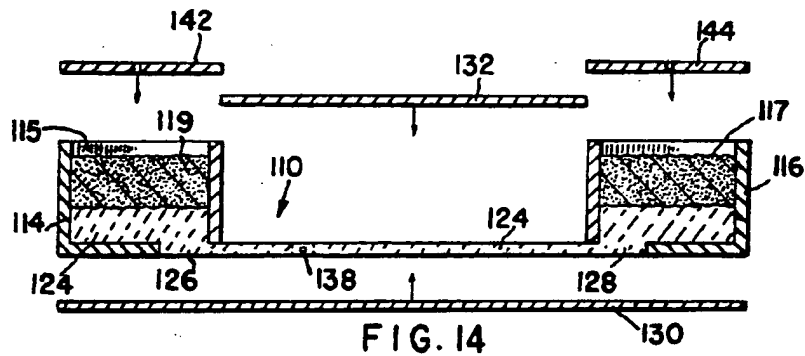


FIG. 15



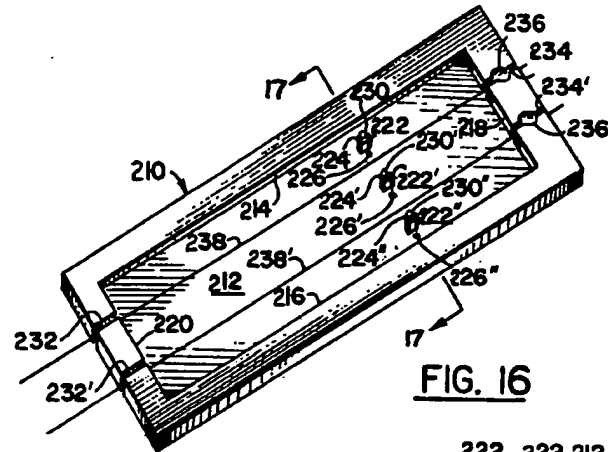


FIG. 16

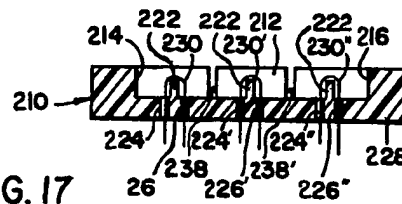


FIG. 17

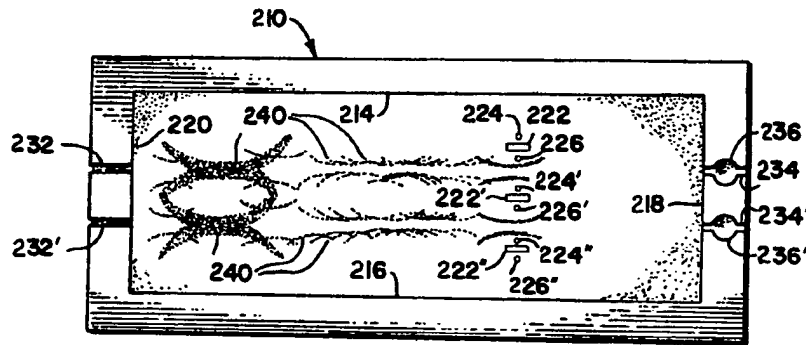


FIG. 18

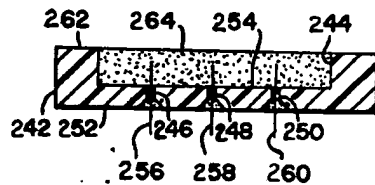


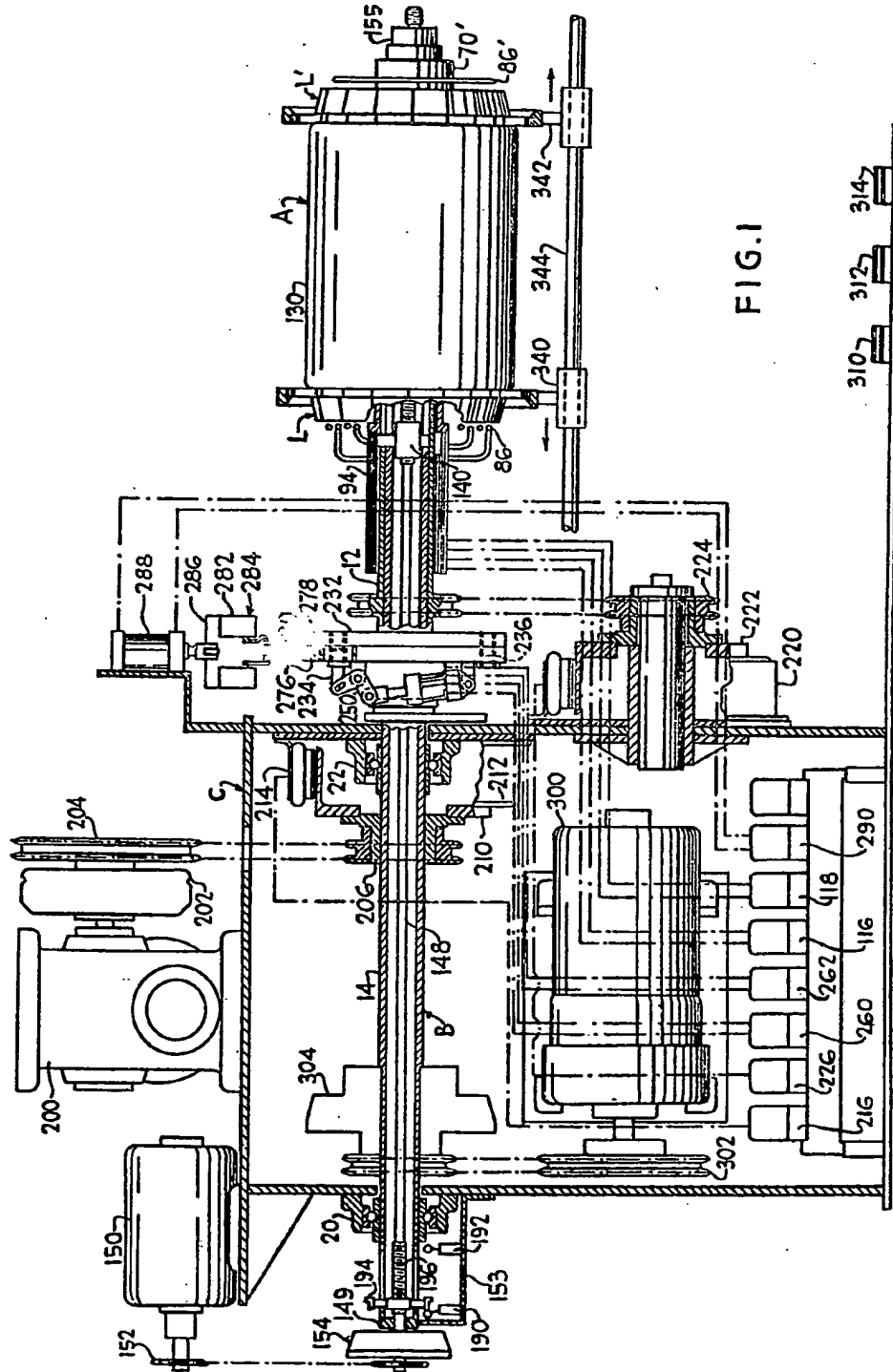
FIG. 19

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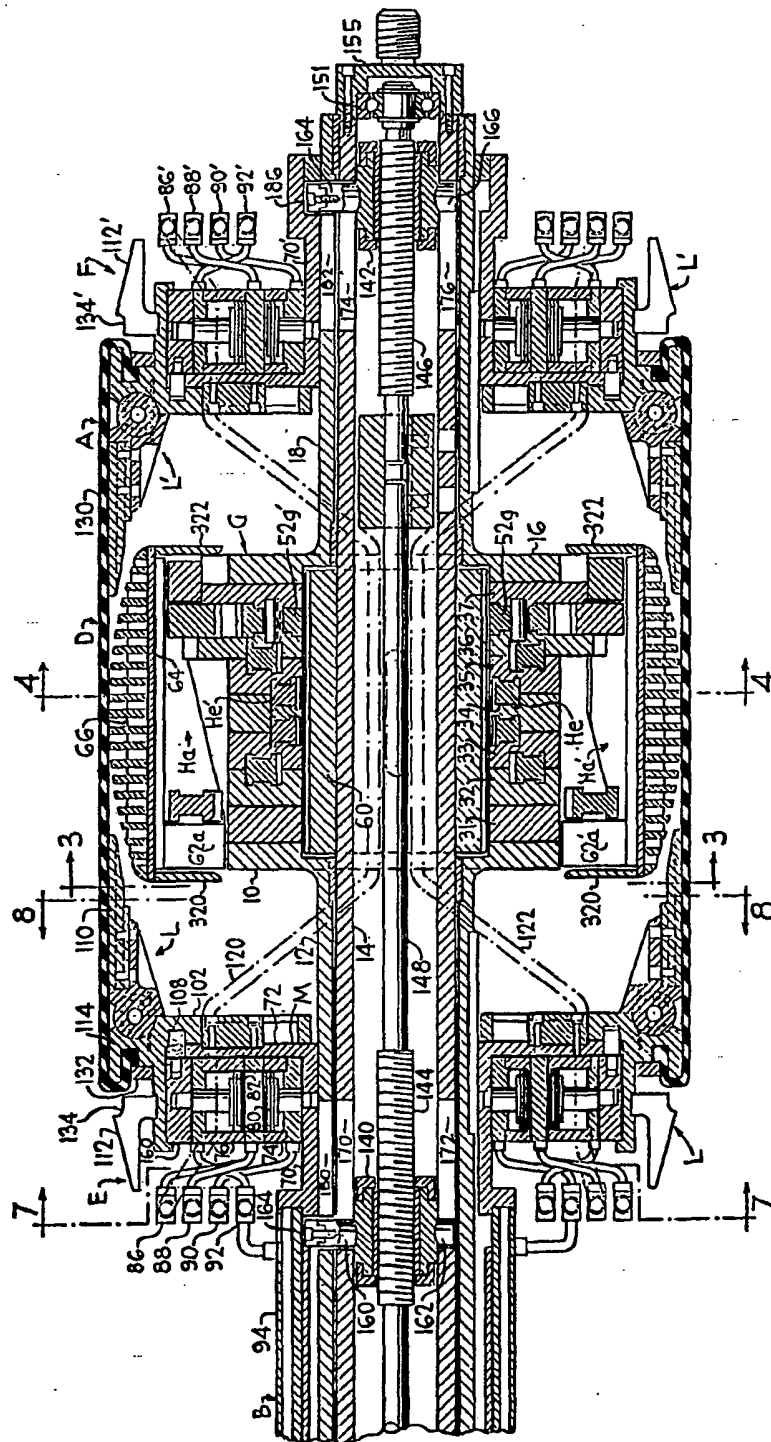


FIG. 2.

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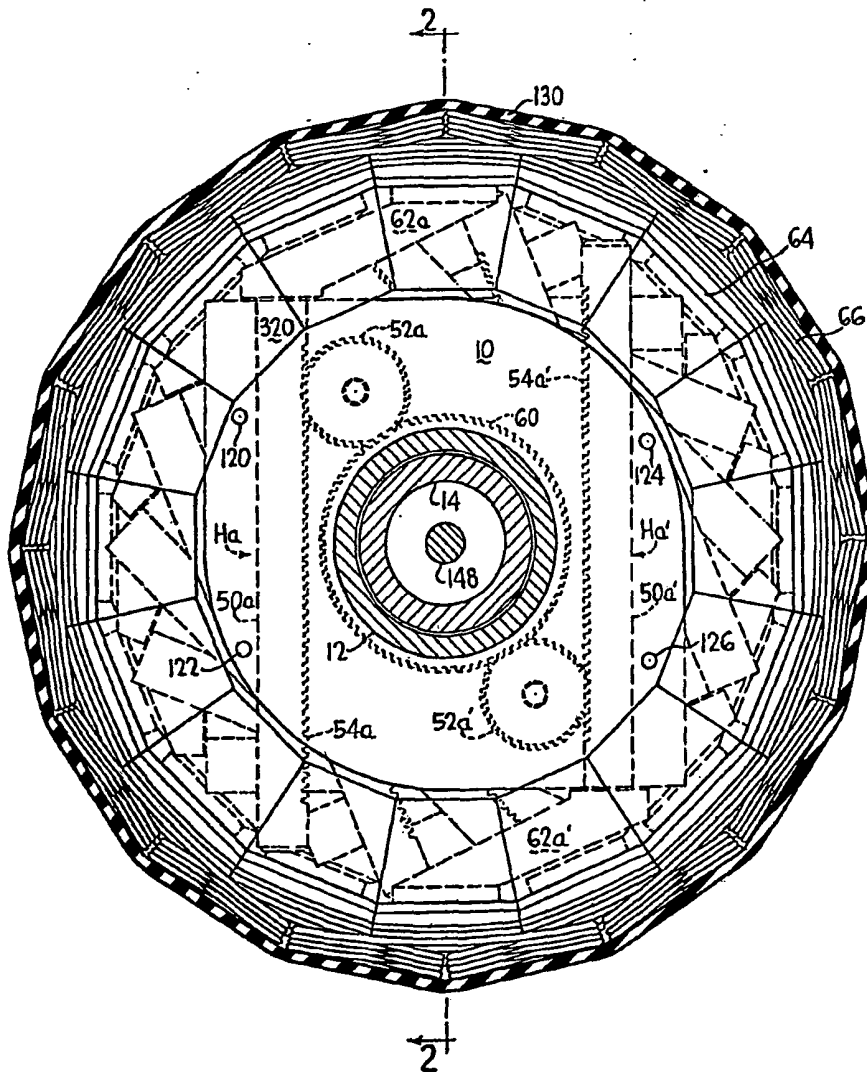
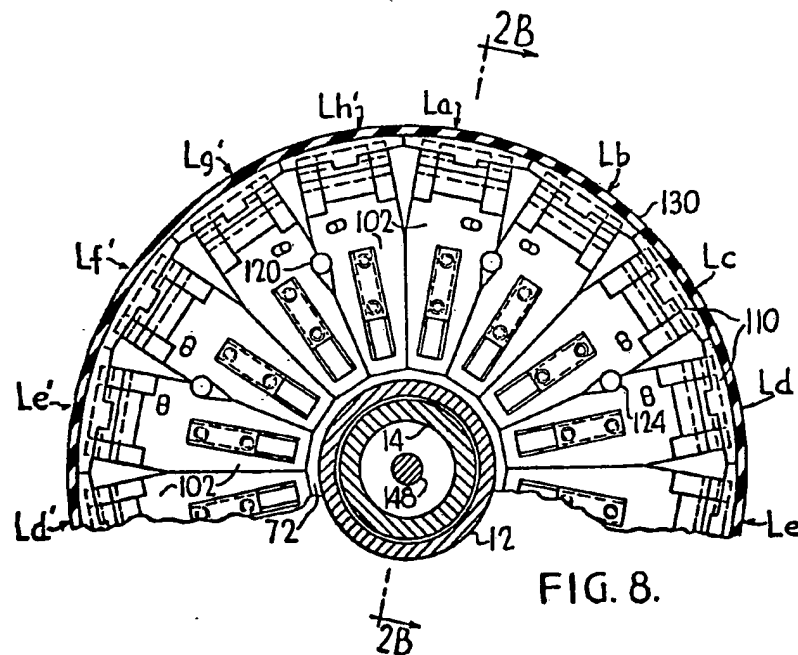
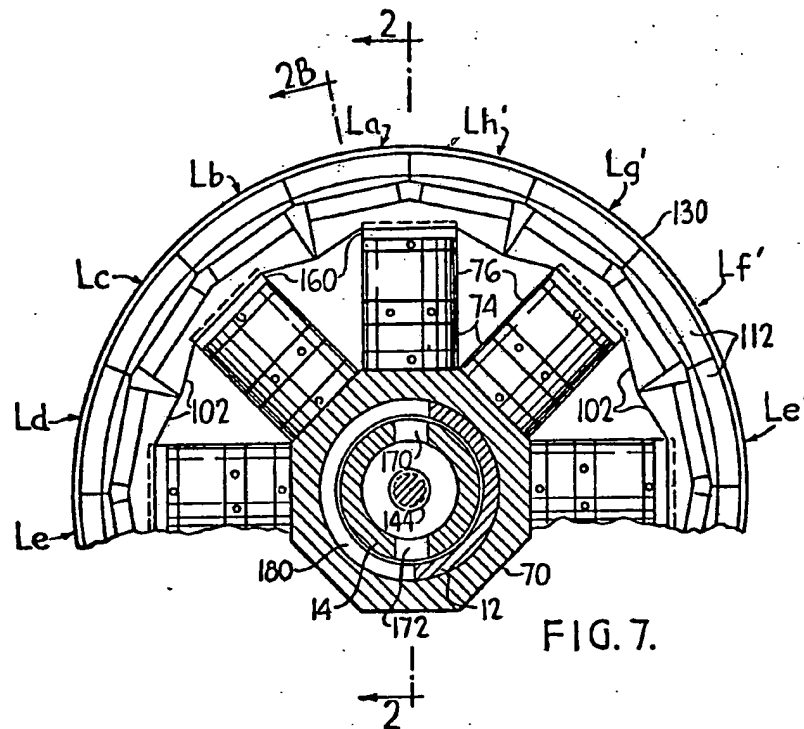


FIG. 3.

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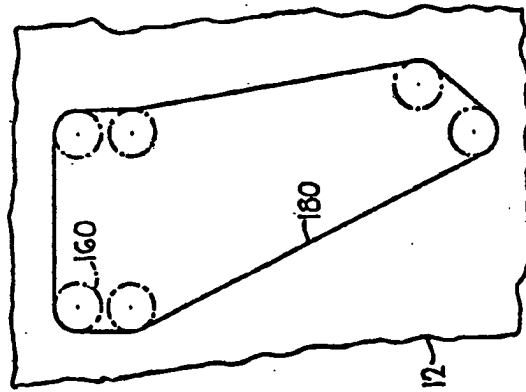


FIG. 11.

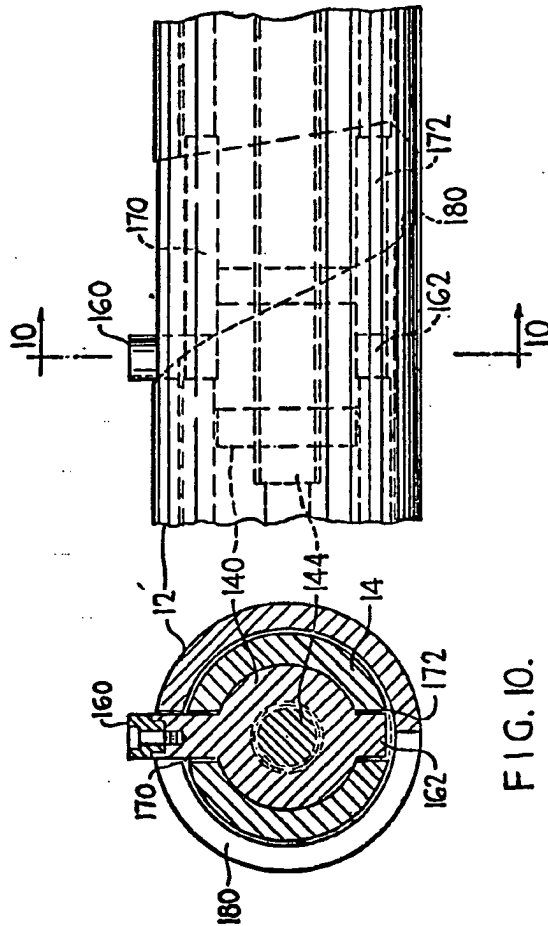


FIG. 9.

FIG. 10.

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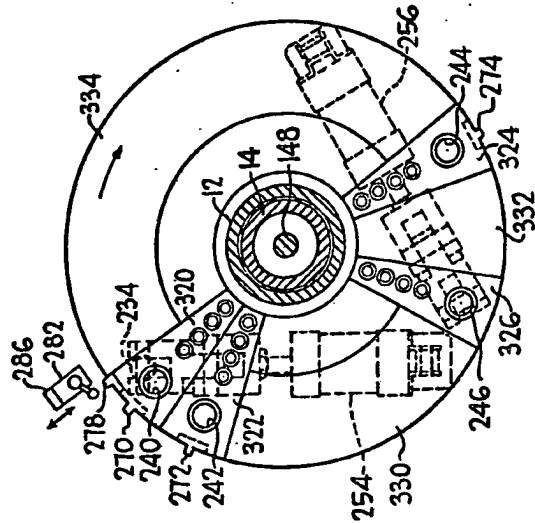


FIG. 14.

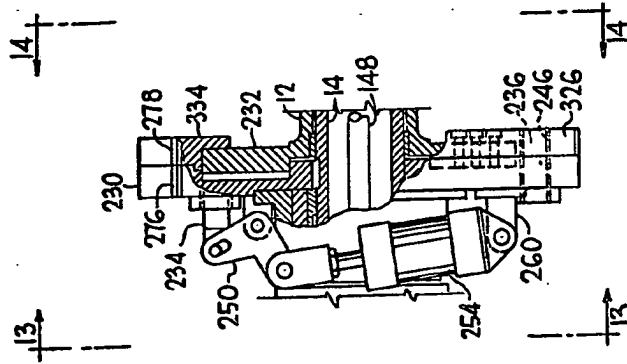


FIG. 12.

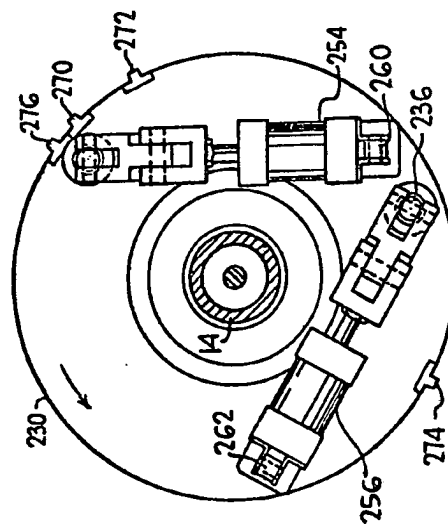


FIG. 13.

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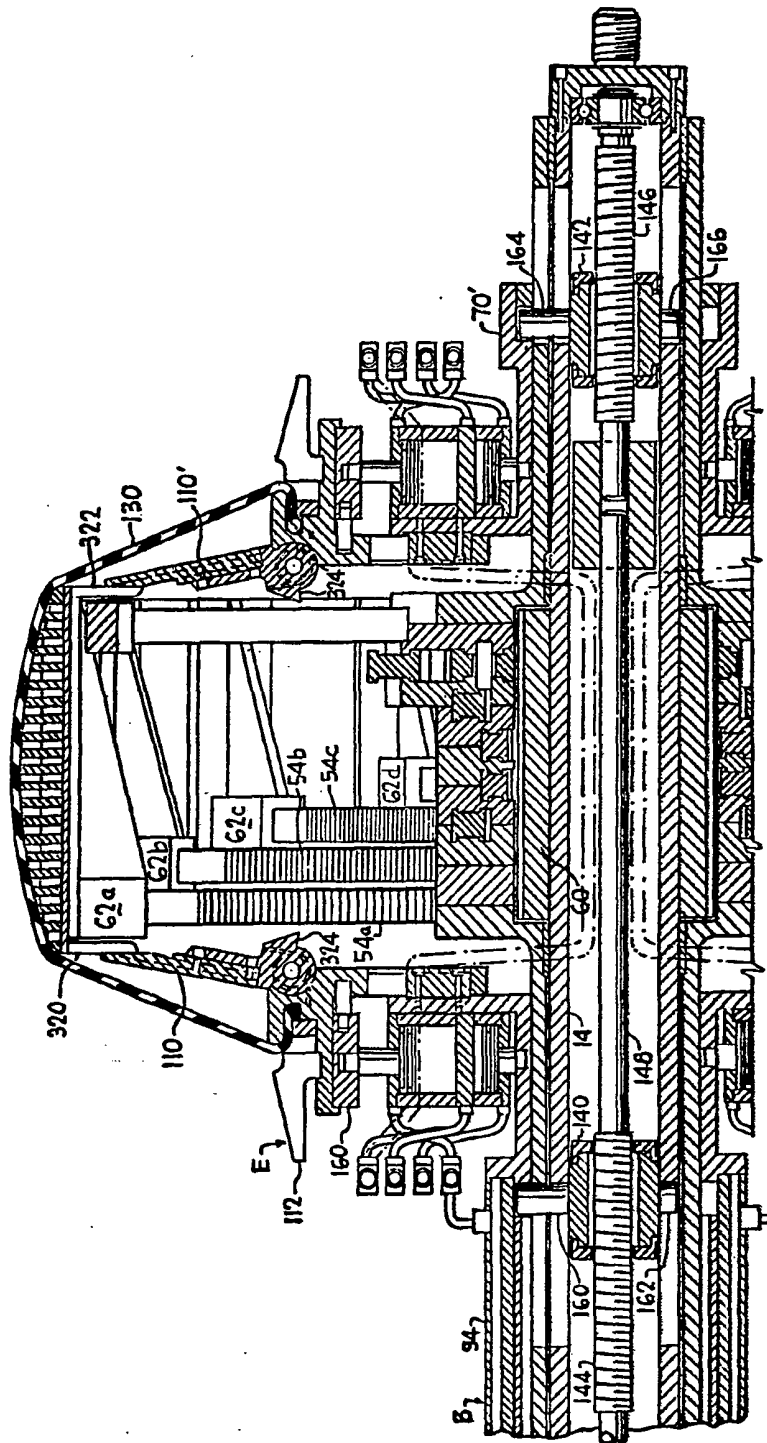


FIG. 15.

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